

ABSTRACT OF THE DISCLOSURE

Provided is a process for the preparation of polysulfides which comprises
reaching sodium sulfide with oxygen in the presence of a transition metal oxide,
preferably MnO_2 , and with the consumption rate of O_2 being at least 1.5×10^{-4}
moles/l/sec. The process of the present invention is preferably conducted in a
5 self-recirculated reactor, which has been found to allow easy control of the O_2
consumption rate.